

APS250C: Caregility Slim Mobile Cart



Camera Features

HD PTZ camera

Full function USB interface

40x Zoom (20x optical zoom, 2x Digital)*

Low light mode

*40x Zoom Requires APS Firmware 2.2502 or higher

Tablet Features

17" full HD LCD display with capacitive touch, digital pen support

Intel® Core™ i5 processor

Linux Ubuntu enterprise operating system

UL60601 1 certified with anti-microbial enclosure

High-capacity battery pack

Speaker / Microphone Features

Full duplex communications

Four microphone beam forming array

Standard display power consumption

DSP based algorithms, echo canceling, noise reduction

Auto gain control



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Camera Specifications

Video System 720p/1080p @ 30fps, 60fps
Sensor 1/1.8-inch, CMOS, Effective pixels: 8.42m
Lens 40x (20x Optical, 2x Digital), f = 6.25mm ~ 125mm, F1.58 ~ F3.95
Minimal Illumination 0.5 Lux @ (F1.8, AGC ON)
Shutter 1/30s ~ 1/10000s
Horizontal Angle of View 60° ~ 3.5°
Vertical Angle of View 35.7° ~ 2.0°
Horizontal Rotation Range ±170°
Vertical Rotation Range -30° ~ +90°
Pan Speed Range 2.7° ~ 35.7°/s
Tilt Speed Range 2.7° ~ 31.5°/s
Horizontal flip & Mirror Support
MJPEG: max to 2160P@30fps
H.264
AVC: max to 2160P@30fps
UVC 1.1, UVC PTZ Support
Input Voltage DC 12V
Power Consumption 18W (Max)
MTBF >30000h
Cart Power Consumption: 45W

Tablet System Specifications

CPU Intel® Core™ i5-1335U, 10-Core, 4.6 GHz
RAM 8GB; Storage 256GB SSD
Operating System: Linux Ubuntu
Enclosure & Speaker Power Supply
NIST Compliance, NIST compliant BIOS available
Display: 17" LED-backlight touchscreen;
Res: 1980 x 1080
Network Interface: Wi-Fi 802.11 ac, 2.4GHz/ 5GHz dualband; Bluetooth 5.3 Wi-Fi-6 R2
Ethernet Port: Ethernet10/100/1000MBase-TLAN
Input: 100 –240V AC; Output: 19V DC, 6.31A 120W
Battery Pack: Hot swappable battery, 90W, 11.4V, 8000mAh
Enclosure: ABS + PC plastics and magnesium-aluminum alloy; anti-microbial
Regulatory: ANSI/AAMI ES60601-1, CE, FCC Class B, RoHS, UL

Mobile Cart Dimensions

Height: 69.4"
Width: 17.7"
Depth: 17.9"
Weight: 87 lbs

Speaker / Microphone Specifications

Frequency response 50Hz–16KHz
Low latency (10ms)
Broadcast level(peak):92dB SPL @ 1m(5watts RMS)
Noise cancellation > 10dB
100% Full duplex–no attenuation during full duplex
High-end performance confirmstoITU-TG.167
Acoustic echo cancellation > 140dB
Residual echo is suppressed to the environment noise level
4 high-quality directional microphones
Direction-fining algorithm
Beamforming algorithm
Automatic voice-level adjustment